

HRUBAN, Konrad

World Conference on Shell Structures in San Francisco. Vestnik
CSAV 72 no.1:162-163 '53.

1. Glen korespondent Ceskoslovenske akademie ved.

HRUBAN, Konrad, prof. inz. dr. DrSc., nositel Radu prace

Theory of the shallow shell deformation in the course of time.
Stav cas 12 no. 4:201-214 '64.

1. Corresponding member of the Czechoslovak Academy of Sciences.

CZECH SLOVAKIA

SANTAVY, E.; KAUL, J. L.; HRUBAN, L.; DOLEJS, L.; HANUS, V;
BLAHA, H.; CROSS, A.D.

1. Chemical Institute of the Medical Faculty of Palacky University, Olomouc (for Santavy, Kaul, Hruban); 2. Institute of Organic Chemistry and Biochemistry, Prague (for Dolejs, Blaha); 3. Institute of Physical Chemistry of the Czechoslovak Academy of Sciences, Prague (for Hanus); 4. Syntex Research Center, Palo Alto, California, U.S.A. (for Cross)

Prague, Collection of Czechoslovak Chemical Communications,
No 10, 1965, pp 3479-3499

"Constitution of Rhoecadine and Isorhoecadine."

SANTAVY, F.; KAUL, J.L.; HRUBAN, L.; DOLEJS, L.; HANUS, V.; BLAHA, K.

Constitution of rhoeadine and isorhoeadine. Coll cz chem 30
no.1:335-338 Ja '65.

1. Chemical Institute of the Medical Faculty of Palacky
University, Olomouc (for Santavy, Kaul and Hruban). 2. Institute
of Organic Chemistry and Biochemistry of the Czechoslovak
Academy of Sciences, Prague (for Dolejs and Blaha). 3. Institute
of Physical Chemistry of the Czechoslovak Academy of Sciences,
Prague (for Hanus). Submitted July 22, 1964.

KLESA, Josef; ZAK, Miloslav; HRUBANT, Frantisek

Design and assembly of heavy-duty transformers which are transported disassembled. El tech obzor 51 no.12:651-657 D '62.

1. Zavody V.I. Lenina Plzen, n.p.

HRUBANT, J.

"Automobile model industry." p. 469.

SVET MOTORU. (Svaz pro spolupraci s armadou). Praha, Czechoslovakia,
Vol. 9, No. 15, July 1955.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 6,
August 1959.
Uncla.

S/123/62/000/010/012/013
A004/A101

AUTHORS: Koritta, J., Hrubant, L.

TITLE: Die-forging of high-speed steels

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 10, 1962, 7, abstract
10V35P. (Czechoslovakian Patent, Class 18 c, 8/40. No. 97764,
15.12.60)

TEXT: The authors suggest, instead of smith-forging high-speed steel tools, to produce them by precision die-forging with three-stage heating, owing to which machining and annealing of the forgings can be dispensed with, the serviceable output increases from 40% to 90%, the productive capacity is raised by a factor of 10 - 40, while the tool service life grows (owing to the correct fiber arrangement). The heating time in minutes for each stage is equal to the product of coefficient K_1 , which depends on the degree of alloying of the steel, by blank thickness in mm and by difference between the final and initial temperature of the given stage. The holding time in minutes is equal to the similar coefficient K_2 multiplied by the blank thickness in mm. The following approximate stage ranges and values of K_1 are recommended: 1) C - 700°C; $K_1 = 0.0004 - 0.0018$; 2) 700 - 900°C; $K_1 =$

Card 1/2

S/123/62/000/010/012/013
A004/A101

Die-forging of.....

= 0.001 - 0.005; 3) 900 - 1,260°C; $K_1 = 0.0005 - 0.0018$. Holding is recommended in the range of 700 - 900° (optimum 780°C) and another holding in the range of 400 - 700°C (optimum 550°C) to improve the structure; in both cases $K_2 = 0.6 - 1.2$. It is necessary to preheat the dies to 50 - 600°C (optimum 400°C). The authors present an example of calculating the heating conditions.

V. Korab

[Abstracter's note: Complete translation]

Card 2/2

L 16575-63
JD/HW

EWT(d)/EWP(k)/EWT(l)/EWP(q)/EWT(m)/BDS

AFTTC/ASD PF-4/Pad

Z/059/62/000/005/006/006

73
72

AUTHOR: Hrubant, Ladislav, Engineer

TITLE: High-strength structural steels and their application in aircraft industry

SOURCE: Letnany, Vyzkumny a Zkusebni Letecky Ustav. Zpravodaj VZLU no. 5, 1962, 35-44

TEXT: The article describes high-strength structural steels used in aircraft industry, mainly with respect to the practice in the USSR and the US. In spite of their relatively high specific weight, steel are superior to the alloy of Al and Mg at high temperatures, and are cheaper than titanium alloys. The author expects that strengths of 250 kg/mm² and working temperatures of 600°C will be required by 1965, and only steels will offer these values. In the article steels are divided according to their composition into high-strength and high-temperature steels. The high-strength steel are limited to a max. content of alloying elements of 5% of any individual component, with usual contents of 3-5%. A typical example of these steels is the Russian 30CHGSNA containing Ni, Mn, Si, Cr and having a strength of 160-180 kg/mm², and the US alloy Hy Tuf with Ni, Si, Cr.

Card 1/2

L 16575-63

Z/059/62/000/005/006/006

High-strength structural...

Mn, Mo and a strength of 150-165 kg/mm². A table giving the analysis of typical steels is shown. 6 Russian, 9 US and 3 British steels are listed. Another table gives the mechanical properties of the same steels. Data shown cover: heat treatment, testing temperatures, tension strength, elongation, impact strength, metal fatigue, and modulus of elasticity. Changes in the properties of Russian steel due to its being remelted under vacuum are shown in another table. Machinability, welding properties and uses of these steels are discussed. The advantages of thermochemical treatment of these alloys are stressed; the limited application of this treatment is due to the high pressures required. The high-temperature steels were introduced mainly to solve the problems of flying at supersonic speeds. The author states that no information covering Russian steels of this type has been published yet. Tables showing the composition and mechanical properties of 14 US steels are given. The influence of lowered carbon content on the improvement of mechanical properties of these steels is discussed. Details of recommended thermal treatment of these steels are described. Machining properties, welding properties and surface protection are discussed. The author gives his views of the future trend in the metallurgy of these steels. Orig. art. has 13 figures, 7 tables, 40 references.

Card 2/2

BALTHASAR, Vladimir; HRUBANT, Milan

A contribution to the knowledge of the Scarabaeidae of Albania. Cas
entom 57 no.2:146-153 '60. (EEAI 10:1)

1. Tchechoslowakishe Entomologische Gesellschaft.
(Scarabaeidae)

BALTHASAR, Vladimir; HRUBANT, Milan

A. new species of the genus *Aphodius* ILL. from Czechoslovakia (Col.,
Scarabaeidae). *Cas entom* 57 no.3:253-257 '60. (EEAI 10:1)

1. Tschechoslovakische entomologische Gesellschaft
(Czechoslovakia--*Aphodius*)
(Scarabaeidae) (Beetles)

Hrubcova, M.

HORACKOVA, M.; HRUBCKOVA, M.; JIROVEC, O.; POKORNY, M.

Survey of school children in Susice for parasites in 1950.
Pediat. listy, Praha 7 no. 4:207-211 July-Aug 1952.. (CML 23:1)

1. Of the Institute of Social Medicine (Head--Prof. V. Presek, M. D.) and of the Institute of Parasitology and Protozoology (Head Prof. O. Jirovec, M.D.), Charles University in Prague and of the Internal Department (Head--M. Pokorny, M.D.) of Susice Hospital.

PROSEK, Vaclav, Prof., dr.; za spoluprace asist: HORACKOVE, M., dr.;
HRUBCOVE, M.; MALEHO, Vl.; MASTNIKA, B.

Physical development of the youth as a picture of the vitality
level of the society. Cas. lek. cesk. 91 no.1:2-10 4 Jan 52.

1. Z ustavu socialniho lekarstvi univ. Karlovy v Praze.
(PHYSICAL EDUCATION AND TRAINING
in Czech., present status & role in society)

HAUVOLVA, M.

HOSTOMSKA, L., Dr; HORACKOVA, M., Dr; HRUBCOVA, M.

Anamnetic considerations on 125 cases of mongolism. Cas. lek.
cesk. 93 no.31-32:870-876 6 Aug 54.

1. Z endokrinologickeho oddleni II. detske kliniky prof. Dr.
J.Brdlika v Praze. Z endokrinologickeho useku detskeho oddeleni
prazske polikliniky, vedouci Dr Z.Kuncova, Z Ustavu pro organisaci
zdravotnictvi U.K.Prof. Dr.V.Proška v Praze.

(MONGOLISM,

statist. analysis of 125 cases)

HRUBCOVA

HOSTOMSKA, MUDr; HORACKOVA, MUDr; HRUBCOVA, As; MALY, As

Thyroglobulin in goiter in children in Prague. Cas. lek. cesk.
93 no.39:1064-1071 24 Sept 54.

1. Z II. detske kliniky prof. Dr J.Brdlika v Praze, z detske
endokrinologicke poradny prazske polikliniky (vedouci Dr Z Kuncova)
a z Ustavu pro organizaci zdravotnictvi v Praze (prednosta prof. Dr
V.Prosek)

(THYROXIN, therapeutic use,
goiter in child.)

(GOITER, in infant and child,
ther., thyroglobulin)

HOSTOMSKA, L., Dr.; JIROVED, O., akademik; HORACKOVA, M., Dr.; HRUBCOVA, M.

Relation of toxoplasmosis in mother to mongolism in child. Cesk. pediat. 12 no.8:713-723 5 Aug 57.

1. II detska klinika pediatricke fakultyKU v Praze, prednosta prof. Dr. J. Houstek-Protozoologicka laborator Ceskoslovenske akademie ved v Praze, prednosta akademik O. Jirovec-Detske odeleni polikliniky v Praze, vedouci Dr Z. Kuncova-Katedra verejneho zdravotnictvi KU v Praze, prednosta Dr V. Prosek.

(TOXOPLASMOSIS,

relation of incidence in mothers to incidence of mongolism in child. (Cz))

(MONGOLISM,

incidence in child. in relation to incidence of toxoplasmosis in mothers (Cz))

Hrubcova, M.

MECIR, M.; SOBOVA, A.; HRUBCOVA, M.; KREJCOVA, M.

Physical condition & nutritional status of 0-3 year-old
children in the Pardubice region. Cas. lek. cesk. 96 no.
24-25:791-800 21 June 57.

1. Ustav pro peci o matku a dite Praha-Podoli, reditel prof.
dr. J. Trapl, vedouci pediatrickeho vyzkumu prof. dr. K. Kubat
Ustav organisace zdravotnictvi KU v Praze, prednosta prof. dr.
V. Prosek. M. M., Praha-Podoli, Nabr. K. Marxe 157.

(INFANT NUTRITION, statist.

in Czech. (Cs))

(CHILD

phys. cond. of Czech. child. (Cs))

~~REJHOLEC~~ V. HUBOČOVÁ, MARIE

REJHOLEC, Vaclav; WAGNER, Vladimir; MATEJU, Jaroslav; CERNY, Jaroslav;
HUBOČOVÁ, Marie; MALÝ, Vladimir

Prevention of rheumatic fever. Cas. lek. cesk. 96 no.40-41:1292-1298
11 Oct 57.

1. Vyskumny ustav chorob reumatickych v Praze, reditel prof. Dr. Frant.
Lenoch. Bakteriologicke oddeleni--nemocnice Bulovka, prednosta doc.
Dr. Vlad. Wagner OUNĚ -- Mezibori Litvinov, Ucliste st. prac. saloh.
Ustav Pro Organizaci Zdravotnictvi KU, Prednosta prof. Dr V. Prosek.
(RHEUMATIC FEVER, prevention and control
(Cs))

HRUBCOVA M.

BLAZEK, F.; HRUBCOVA, M.; KAPALIN, V.; ODCHAZELOVA, E.; PROKOPIC, M.; PROSEK, V.;
SOBOVA, A.

Examination, follow-up & assessment of physical growth & development.
Cesk. pediat. 13 no. 4:296-303 5 May 58.

1. F. B., Praha II, Ke Karlovu 2.
(GROWTH, in inf. & child
measurement (Cz))

HORACKOVA, Milada; HUMBOCOVA, Marie

The problem of care for mongoloid children. Cesk. pediat. 14
no.11:1023-1030 November 59.

1. Detske oddeleni fakultni polikliniky, vedouci dr. Z. Kuncova
Katedra verejneho zdravotnictvi UK, prednosta prof. dr. V. Prosek
(MONGOLISM)

HRUBCOVA, M.

A method for the investigation of domestic conditions. Cesk.
pediat. 15 no.8:701-706 Ag '60.

1. Katedra zdravotnictvi fakulty vseobecneho lekarstvi University
Karlovy v Praze, vedouci prof. dr. V. Prosek.
(CHILD CARE)

HRUBCOVA, M.; BOUDYS, Vl.

Contribution to the problem of the effect of the living and working environment on the appearance and development of ischemic heart disease. Acta univ. carol. [med.] Suppl. 14:477-486 '61.

1. Ustav organisace zdravotnictví fakulty všeobecného lékařství
University Karlovy v Praze, přednosta prof. dr. V. Prosek
Konstantinovy Lázně, vedoucí lékař dr. Vl. Boudys.
(MYOCARDIAL INFARCT etiol) (ENVIRONMENT)

BLEHOVA, B.; HRUBCOVA, M.; BARTONOVA, M.

Mental disorders in the families of patients with phenylketonuria. Cesk. pediat. 18 no.8:701-706 Ag '63.

1. Detska klinika lekarske fakulty hygienicke KU v Praze,
prednostka prof. dr. J. Pisarovicova-Cizkova, DrSc. Katedra
zdravotnictvi fakulty vseobecneho lekarstvi KU v Praze,
vedouci prof. dr. V. Prosek Psychiatricka lecebna v Opatovech,
reditel MUDr. Vojtik.

(PHENYLKETONURIA) (MENTAL DISORDERS)
(SUICIDE) (ALCOHOLISM)

HRUBCOVA, M.

Somatometric examination of 210 school children in Pozdekov.
Cesk. pediat. 19 no.5:448-457 My'64

1. Katedra zdravotnictvi fakulty vseobecneho lekarstvi KU
(Karlovy university) v Praze; vedouci: prof. dr. V.Prosek.

GRAU, Petr, inz. CSc.; HRUBEC, Jir , inz.

Reasons and course of perilous pollution of the Jihlava River
water by cyanides. Vod hosp 15 no.1:19-20 '65.

1. Central Office of the State Water Resources Inspection.

CZECHOSLOVAKIA

ABRAMOVA, V., VESELY, Z., HRUBEC, S., Chair of Dietetics and Foods of the Veterinary Faculty of the University for Agriculture at Brno, Head Asst. Prof. J. Kabrt (Katedra vyživy a dietetiky Vet. fakulty VSZ v Brne, prednosta doc. MUDr. J. Kabrt).

"Observation of Titration Acidity of Grains and Grouts during Storage."

Veterinarni Medicina, Vol 8, No 1, Jan 63, pp 41-46.

Abstract: 17 measurements were made during an 8 months storage period on grains and grout of wheat, barley, rye, and oats. The grain is not affected by storage of this duration, but grouts are. Their acidity increases to a great degree. Tables, no references.

JELINKOVA, Vera, promovana veterinarni lekarka; VESELY, Zdenek, dr.;
HRUBEC, Stanislav, promovany veterinarni lekar

Examination of the titratable acididity in grain and grout
of stored cereals. Veter medicina 8 no.1:41-48 Ja '63.

Examination of the acidity of grout fat during storage.
Ibid.:49-56 Ja '63.

1. Chair of Nutrition and Dietetics of the Faculty of
Veterinary Medicine, Higher School of Agriculture, Brno.
Head of the Chair: [doc. MVDr.] Jaroslav Kabrt.

HRUBES, J.

Dousa, J. Increased capacity of two-stroke motorcycles. p. 200.
Adjustment of the engine of CZ 150-cm motorcycles for contests. p. 201.
SVET MOTORU, Praha, Vol. 9, no. 7, Mar. 1955.

30: Monthly List of East European Accessions, (SEAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

HRUBES, J.

Ingenuity multiplies the pace of development. p. 238,
SVET MOTORU, Praha, Vol. 9, no. 8, Apr. 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

HRUBES, J., DOUSA, J.

"Increasing the efficiency of two-stroke engines." p. 568

SVET MOTORU. Praha, Czechoslovakia, Vol. 9, No. 18, Sept., 1955

Monthly List of East European Accessions (EEAI), IG, Vol, 8, No. 9, September, 1959.
Unclas

Hrubes, J.

Hrubes, J.; Dousa, J.

Hrubes, J.; Dousa, J. Speed of combustion and thermal effectiveness;
experience of members of the basic organization
of the League in Dobrancy in readying racing
cars. p. 81.

Vol. 10, no. 3, Feb. 1956
SVET MOTORU
TECHNOLOGY
Czechoslovakia

So: East European Accessions, Vol. 6, May 1957
No. 5

HRUBES, J.

Ethyl Gasoline. p. 726. (SVET MOTORU, Vol. 10, No. 23, Nov 1956, Praha.
Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

HRUBES, J.

Lubricating the transmissions of motor vehicles.

p. 662 (Svet Motoru) Vol. 11, no. 21, Oct. 1957, Praha, Czechoslovakia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

HRUBES, J.

"Hundredth anniversary of the founding of the Skoda Works in Plzen."

ELEKTROTECHNIK, Praha, Czechoslovakia, Vol. 44, no. 5, May 1959

Monthly List of East European Accessions Index (EEAI), Library of Congress,
Vol. 8, No. 8, August 1959

Unclassified

HRUBES, J.

Protection of distribution transformers against short circuits. p. 341.

ELEKTROTECHNIK. (Ministerstvo tezkého strojírenství) Praha, Czechoslovakia.
Vol. 14, no. 11, Nov. 1959.

Monthly list of East European Accessions (EEAI) IC, vol. 9, no. 1, Jan. 1960.

Uncl.

SEDIVY, Ludvik; HRUBES, Jiri

Gear oil corrosiveness and its determination. Ropa a uhlie 5
no.1:27 Ja '63.

BRUHES, Jiri (Praha); KROBL, Ladislav (Praha)

Motor oil filtration during operation. Repa a uhlis 5 no.5:
149-153 My '63.

HRUBES, P.

World Meteorological Day. Meteor zpravy 15 no.3/4:110-
111 Ag '62.

HRUBES, P., dr. inz.; KRECNER, V., inz., CSc.

Seventy -fifth birthday of professor Vaclav Novak.
Meteor zpravy 16 no.3/4:49 Ag '63.

HRUBES, P.

"Agricultural production in numbers" by [inz.] Frantisek Cvancara.
Pt.1. Reviewed by P.Hrubes. Meteor zpravy 15 no.6:180 D '62.

CZECHOSLOVAKIA

MICHALOVA, C.; ~~HRUBES, V.~~; BENES, V.; Institute of Industrial Hygiene and of Occupational Diseases, Prague. [Original version not given].

"The Influence of Chlordiazepoxide on Biochemical Reactions to Experimental Stress in Rats."

Prague, Activitas Nervosa Superior, Vol 8, No 4, Nov 66, pp 458 - 459

Abstract: Influence of chlordiazepoxide (CH) on long-lasting stress was investigated on the basis of catecholamine excretion in urine, and the content of unsaturated fatty acids (NEFA) in the plasma. Experiments were performed with female rats. When CH was not administered during periods of stress catecholamine excretion was increased; CH blocked this increase. In the same way increase of NEFA induced by long-lasting stress is prevented by CH administration. Rats under stress became aggressive, but when CH was administered they remained quiet. 3 Figures, No references. Submitted at the 8th Annual Psychopharmacological Meeting at Jesenik, 18 - 22 Jan 66. Article is in English.

1/1

MICHALOVA, C.; HRUBES, V.

Possibilities of standardization of the examination and assessment of verbal and motor reactions for routine laboratory use.
Activ. Nerv. Sup. 5 no.3:291-294 J1 '63.

1. Ustav hygieny prace a chorob zapovoleni, Praha.
(CENTRAL NERVOUS SYSTEM) (NEUROSES)
(MERCURY POISONING) (PSYCHOLOGICAL TESTS)
(PHYSIOLOGY)

HRUBES, V.

Changes in concentration of non-esterified fatty acids in the
rat plasma after load. Aktiv. nerv. sup. 6 no.1860-62 '64

*

HRUBES, V.

Study of neuroticism and changes in blood pressure of workers
in intensive noise. Acta nerv. sup. (Praha) 6 no.4:409-410 '64.

1. Ustav hygieny prace a chorob z Povolani, Praha.

HRUBES,V.; BENES,V.

A study on the effect of repeated noise in rats. Activ. nerv.
sup. (Praha) 7 no.2:165-167 '65

1. Institute of Pathological Physiology, Medical Faculty Charles
University, Plzen. 2. V. Hrubes' address: Plzen, Lidicka 1.

CZECHOSLOVAKIA/Pharmacology and Toxicology - Cardiovascular Agents. V-6

Abs Jour : Ref Zhur - Biol., No 21, 1958, 98537

Author : Straub, Robert; Hrubes, Vladimir

List : -

Title : Cardiac Glycosides of *Erysimum Cheiranthoides* L.

Orig Pub : Ceskosl. farmac., 1957, 6, No 6, 296-298

Abstract : Two Czechoslovakian and Soviet authors note the good cardiotonic action of glycosides of *Erysimum cheiranthoides* L. (ECL), their good effect in valvular diseases, cor pulmonare, and also their lesser toxicity as compared with strophanthin. In experiments on guinea pigs and on cats, the cardiotonic action of the mixture of pure crystalline glycosides of ECL was investigated. The basis of the experiments was a determination of LD. By these methods, LD for digitoxine and g-strophanthin were established. It is proven that ECL, according to their effect, are close to strophanthin, which is also confirmed by Soviet authors.

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CZECHOSLOVAKIA/Pharmacology and Toxicology - Cardiovascular
Agents.

V-6

Abs Jour : Ref Zhur - Biol., No 21, 1953, 98537

Cats are more sensitive to glycosides of ECL than
guinea pigs. -- I.A. Prolova.

Card 2/2

CZECHOSLOVAKIA

MICHALOVA, C. and HRUBES, V.; Institute of Work Hygiene and Occupational Diseases (Ustav hygieny prace a chorob z povolani,) Prague.

"Some Possible Standardizations of Test Methods and Criteria in Verbal and Motor Reactions for Routine Laboratory Use."

Prague, Activitas Nervosa Superior, Vol 5, No 3, July 63; pp 291-294.

Abstract [English summary modified]: Description and discussion of complex experiments with conditioned reflex generation and extinction; interaction with deliberate facilitatory and inhibitory conditions; data from study of 17 mercury-poisoned persons with psychoneurotic symptoms and 34 controls. Table; 6 Czech references.

1/1

OPEKAR, B.; Laboratorni spoluprace: CERMAKOVA, I.; JEDLICKOVA, H.;
KREJCAROVA, A.; HRUBES, V.

Results of investigations of the atmospheric contamination
in some centres of the South Bohemian region. Cesk. hyg. 8
no.5:254-264 Je '63.

1. KHES, Ceske Budejovice.
(AIR POLLUTION)

L 12955-66

ACC NR: AP6005656

SOURCE CODE: CZ/0079/65/007/002/0165/0167

AUTHOR: Hrubes, V.; Benes, V.

ORG: Institute of Industrial Hygiene and Occupational Diseases, Prague

TITLE: Effect of repeated noise on rats [This paper was presented at the Third Interdisciplinary Conference on Experimental and Clinical Study of Higher Nervous Functions held in Marianske Lazne from 19 to 23 October 1964.]

SOURCE: Activitas nervosa superior, v. 7, no. 2, 1965, 165-167

TOPIC TAGS: acoustic biologic effect, rat, gland

ABSTRACT: Intensity of 95db was used for 4 days a week. Body weight and spontaneous activity was followed. Rats exposed to noise were slower in gaining weight, and after a long duration of the experiment began to lose weight. Their suprarenal glands became larger. No conclusions concerning the spontaneous motor activity could be reached. Orig. art. has: 4 figures. [JPRS]

SUB CODE: 06, 05 / SUBM DATE: none / ORIG REF: 006 / OTH REF: 003

Card 1/1

HW

HRUBESOVA, A.

Transfer of humoral antibody formed in response to nucleoprotein fractions M. Hrubcova and J. Sterzl (Czech Acad. Sci., Prague) *Biern. biokim. Resuits commun.*, J. Long, Brussels 1955, 75 (in English).--Antibody-forming tissues (spleen and bone marrow) transferred to a nonimmunized animal shortly after injection of an antigen, produce detectable amounts of antibody. This occurs even in young animals (mice) not yet capable of producing antibodies. The results are associated with the nucleoprotein fraction I of the transplanted tissue, but antibodies cannot be demonstrated in the recipient.

W. A. Brown

STERZL, Jaroslav; HRUBESOVA, Miroslava

Antibody formation by nucleoprotein fractions on non-immunized recipients. Cesk. biol. 4 no.10:600-606 Nov 55.

1. Biologicky ustav CSAV, mikrobiologie, Praha.

(ANTIGENS AND ANTIBODIES,

antibody form. by nucleoproteins on non-immunized recipients.)

(NUCLEOPROTEINS,

antibody form. by nucleoproteins on non-immunized recipients.)

CZECH

1 Proteins. XXX. Inhibition of pancreatic proteases with pancreatic ribonucleic acid. Prantšek Štěp. and Májová Alena. Hrubá (Czech. Acad. Sci., Prague). Chem. Zvest. 49, 115-20 (1955); cf. *ibid.*, 48, 1837. — Polymeric ribonucleic acid prepd. from pancreas inhibits at 25° the protease, esterase, and rennin activity of trypsin, whereas the amidase activity of trypsin and the ability of chymotrypsin to synthesize polypeptides (at optimum pH for the activity) remain intact. M. Hudlický.

MITERA, Miroslav; VESELY, Jiri; STERZL, Jaroslav; RIMAN, Josef;
HRUBESOVA, Miroslava

Effect of immune sera on leukemic leukocytes in hemoblastosis in children. Sborn. lek. 58 no.5:97-119 May 56.

1. I. detska klinika, prednosta prof. MUDr. Svejcar, Biologicky
a chemicky ustav GSAV, red. akad. J. Malek a akad. F. Sorm.

(HEMOPOIETIC SYSTEM, dis.

hemoblastosis, eff. of immune sera on leukocytes,
bone marrow & ribonucleoproteins in child. (Cs))

(IMMUNE SERUMS, eff.

on leukocytes, bone marrow & ribonucleoproteins of
hemoblastosis serums isolated from child. (Cs))

(LEUKOCYTES, in various dis.

hemoblastosis in child., eff. of immune serums on (Cs))

(BONE MARROW, in various dis.

same)

(NUCLEOPROTEINS,

ribonucleoproteins, eff. of immune serum isolated from
child. with hemoblastosis (Cs))

EXCERPTA MEDICA Sec.4 Vol.11/1 Med.Microbio.etc. Jan 58
HRUBESCOVA, M.

192. HRUBESCOVA M. Mikrobiol. Odd., Biol. Úst., Československá Akad. Ved, Praha. Príspevek k pokusum o tvorbu protilátek in vitro Notes on experiments on the formation of antibodies in vitro Csl. Mikrobiol. 1957, 2/1 (10-14) Tables 1

The author did not succeed in repeating Paulings' experiments to demonstrate the antibody formation from normal γ -globulin by means of incubation with polysaccharides of Pneumococcus Type III and Klebsiella rhinoscleromatis nor with gum arabic at 57° C. for a period of 14 days.

Ríha - Prague

HRUBESOVA, M.

Notes on experiments on the formation of antibodies in vitro.

P. 10, (Ceskoslovenska Mikrobiologie) Vol.6, no.2, Mar.1957, Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) Vol. 6, No. 11 November 1957

CITATION : General Abstracts of Biology, 1958, No. 12
Abs. JOUR. : RZBiol., No. 12 1958, No. 56237
AUTHOR : Sterzl, J., Hrubasova, M.
TITLE : Transfer by Nucleoprotein Fractions of the Formation of Antibodies in Non-Immunized Animals
ORIG. PUB. : Ceskosl. Biol., Vol.4, No.10, 600-606
ABSTRACT : no abstract

PAGE: 1/1

HRUBESOVA, Miroslava

A study of the formation of antibodies in new-born animals
following transfer of nucleoprotein fractions. Folia microbiol
6 no.1:55-59. '60. (EEAI 10:5)

1. Department of Microbiology, Institute of Biology, Czechoslovak
Academy of Sciences, Prague 6.

(ANTIGENS AND ANTIBODIES) (NUCLEOPROTEINS) (CELLS)

ERUBESOVA, Miroslava; TRANKA, Z.

Failure to form antibodies following transfer of nucleoprotein
fractions to chick embryos. Folia microbiol 6 no.1:60-6 '60.
(KEAI 10:5)

1. Department of Microbiology, Institute of Biology, Czechoslovak
Academy of Sciences, Prague 6.
(ANTIGENS AND ANTIBODIES) (NUCLEOPROTEINS) (CELLS)

HRUBIS, Jan, inz., dr.

Calculation of shortt circuits by the limit of output.
Energetika Cz 11 no.9:460-462 S '61.

HRUBISEK, Ivo, inz.

Welding technology at the Leipzig Spring Fair. Stroj vyr 10
no.7:356-357 '62.

1. Unicovske strojirny, n.p., Unicov.

HRUBISEK, Ivo, inz.

"Mechanization of arc welding" by V.L. Gegelskij [Tsegel'skiy, V.L.].
Reviewed by Ivo Hrubisek. Stroj vyr 10 no.12:635 '62.

HRUBISEK, Ivo, inz.

"Semiautomatic welding in carbon dioxide medium" by V. G. Krutichovskij [Krutikhovskiy, V.G.] and N.A.Kozlov. Reviewed by Ivo Hrubisek. Stroj vyr 11 no.1:55 '63.

HRUBISEK, Ivo, inz.

"Local exhaust system in electric welding" by O.Timofejeva
[Timofeyeva, O.], E. Elterman and G.Jofinov. Reviewed by
Ivo Hrubisek. Stroj vyr 11 no.1:55 '63.

HRUBISEK, Ivo, inz.

"Directives for welding" by F. Wolny. Reviewed by Ivo
Hrubisek. Stroj vyr ll no. 12: 639-640 '63.

HRUBISEK, Ivo, ins.

"Radiographs of welds." Reviewed by Ivo Hrubisek. Stroj vyr 12 no.
11:860 '64.

HRUBISHEK, J.

Industrial experiments with the preclarification of juices according to Dedeš-Valdtko. I. The filtration of juices. J. Hrubíček, R. Hrubý and E. Mlt. *Listy Cukrovar.* 51, 445-50, 453-6 (1933).—Detailed studies were made on the rate of filtration of juices treated com. in the usual way and by using the fractional method of D.-V. in a plant contg. 10 Knog presses. The sediment produced by the D.-V. method gives less resistance to the flow of the liquor, hastens the filtering rate and decreases the filtering time. Av. rates for the D.-V. fractional addn. of 1.1% CaO were 5.7 l. per min. and for 1.4% CaO 5.5 l. per min.; the usual method gave a rate of 2.4 l. per min. for 2% CaO and 2.3 l. per min. for 1.4% CaO. In the D.-V. method the filtration rate rose quickly to over 5 l. per min. and remained at a const. level 5.7 l. per min. throughout 90% of the filtering period; in the present method, a max. rate of 5 l. per min. occurred during the first tenth of the filtering period, fell to about 3 l. per min. during the 2nd tenth of the period and kept gradually decreasing to 1-2 l. per min. until the end of the period. The weights of sediment produced by both processes were about the same. The color of the filtrate was slightly darker for the smaller addn. of CaO. F. M.

28

ASB.35A METALLURGICAL LITERATURE CLASSIFICATION

HRUBISKE, J.

Experiences with the progressive digestion procedure according to Dedeck-Vaaddas. R. Hruby and J. Hrubisek. *Lesty Cukrovar*, 52, 427-34, 435-42 (1931). - BY ADDING 1.3-1.5% CaO in a continuous stream, the authors showed that with small lime addns. many advantages accrue which are not possible by the single total addn. of 2.1% CaO. Operating sheets and balances are given for both methods of lime addns. used in the same plant during the 1932-33 and 1933-34 campaigns. With an addn. of 1.1% CaO according to the continuous procedure of adding lime, good results were obtained; this value is the probable limit, for lower concns. affected the filtering process. With 1.3-1.5% CaO the filtering was rapid and at low, regular pressures. Further treatments of the liquors produced by this process were within favorable limits for CaO content, disappearance of alk., and color. Balances revealed a saving in CaCO₃, coke, coal, filter cloths and wages while the production increased from 13,500 to 16,000 q. beets per day. P. M.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

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HRUBISHEK, J.

2A

Modification of the Thascenko dilution method. Josef Hrubisek. *Luzny* *Chimie*, 30, 109-110(1940) -Into a 200-cc. flask weigh 4 times the normal quantity of sugar juice or sirup and det. the refractive index on several drops of soln. removed with a glass rod. For the polarization transfer 50 cc. of the soln. into a 200-cc. volumetric flask, clarify the soln., dil. to 200 cc. with water, filter and read in a polarimeter. From the n and polarimeter readings compute by means of the Molenda equations and tables given in the article the apparent dry substance, apparent purity, actual dry substance and the actual purity. Frank Mareš

ASB-5LA DETALLUNGICAL LITERATURE CLASSIFICATION

11-0

HRUBISHEK, J.
CA

THE COMPUTATION OF THE ACTUAL INCREMENTS OF ASSIMILATION IN PLANTS. J. Dykyj and Josef Hrubisek. *Listy Cukrarn.* 60, 113-18(1941).—In simple cases the increments of assimilated products can be computed, if it is possible to weigh beets or roots before and after an expt. In many field expts. it is possible to weigh and analyze the beets only at the end of an expt. By means of sym. triangles, the authors produce the increments in wt., water, or sugar at any desired moment providing the other constituents (cellulose, ash, and N substances) remain const. They include several examples of geometric construction.

Frank Mareš

1ST AND 2ND ORDERS										PROCESSES AND PREPARATION INDEX									
<p>28</p> <p>Characteristic composition of sugar products. J. Hrubd- sek. <i>Lisy Cukrovary</i>. 61, 48-50(1942).—H. presents a table of 21 equations for computing any of the 7 factors (polarization, nonsugars, dry matter, H₂O, purity, Herz- feld or Grut nos.) when only 2 of them are known. Frank Mareš</p>																			
<p>ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>																			
<p>GROUPS</p>										<p>CLASSIFICATION</p>									

Bo Rho
H. RUDISHER, J.

Bill - 2 sugar: March 1951

Calculation of yield and composition of sugar obtained from
massecuites. I. Effect of purity of massecuites. J. Hrubalek
(Listy Cukr., 1951, 67, 68-69; Sug. Ind. Abstr., 1951, 15, 108).
Calculations (for sugar : water ratios etc.) are described, and
tables are given for determining the expected yield of sugar from
massecuites of purity 70-100, on a normal basis of massecuites
temp. 78°, psi 60, supersaturation 1-10, cooling to 50° in the
mixers (final supersaturation still at 1-10), centrifuging at 80",
2% of water in the spun sugar, and massecuites purity 60, irrespective
of temp. P. S. ARUP.

BA HRUBISHER, J.

277

2

Calculation of yield and composition of sugar from maniocasse.
 II. Influence of composition of maniocasse after distilling. J. Hrubish
 (Listy Cukr., 1961, 67, 153-156; Sug. Ind. Abstr., 1961, 56, 143) —
 Calc. results are tabulated to show the effects of temp. and "Brix
 of the strike, and the supermaturation cond. of the mother-liquor
 for varying maniocasse purity on the yield and rendement of the
 sugar or of the run-off syrup after overstrapping. Whilst the syrup
 yield and rendement are both increased (by higher temp.) or de-
 creased (by higher "Brix) at the same time, both cannot be increased,
 since with a higher yield the syrup film on the sugar is less pure,
 and the rendement falls on balance. It is therefore not worth while
 to aim at very high yields.
 P. S. ANUP.

HUBER, J.

Czechoslovakia

CA: 47:17212

"Calculations of the yield and composition of sugar obtained from maseculites.
III. Effect of work in coolers."

Listy Cukrovar. 68, 37-8 (1952); cf. C.A. 47, 11765f.

HRUBISEK, J.

Effect of operating procedure during affination of sugar on yield and composition of products. J. Hrubisek (*Lilly Cchr.*, 1953, 59, 138-141; *Sug. Ind. Abstr.*, 1953, 15, 115).—Calculated figures are tabulated, showing the effect of various factors on the yield and quality of affined sugar. P. S. ARUP.

H. K. B. I. S. E. K. J.

Check of accuracy of analysis of maniocose. J. Hrabalik
 Lady Guay 1964 78, 88 89. Analyses of 17 samples from the
 factory to determine ratios of non sugars water, which should be
 the same in a maniocose as that in the mother liquor alone. gave
 figures for ratio in maniocose ratio in mother liquor of 0.84 to .87
 average 1.00. Figures from campaign averages in 10 factories gave
 variations from 0.9 to 1.21 average 1.10. These differences appear
 to be the result of errors in analysis rather than in analytical method
 S. G. J. P. Assis E. M. I.

Hrubisek, J.

api ✓ Crystallization of low grade products with continuous addition of mixing water. J. Hrubisek (*Leisty Cukr.*, 1933, 297-300).--The exhaustion of low-grade beet sugars, completed largely in the crystallisers, reaches optimum processing if the syrup supersaturation is brought to 1.4 by water addition on dropping, and is maintained at that figure; the results depend on the amount of water added and the time of addition. Improved results were obtained if the calculated amount of water was added gradually during dropping and crystallizing to keep the supersaturation steady. The water was added from jets over the whole length of the cooler. Compared with the usual method, molasses particles were reduced from 64.0 to 63.4 or from 63.8 to 62.6. An equation to determine the coeff. of the efficiency of exhaustion is given.

Sov. Ind. Astr., (2, 11, 1).

CZECHOSLOVAKIA/Processes and Equipment for Chemical Industries. K-1
Processes and Apparatus for Chemical Technology.

Abs Jour : Ref Zhur - Khimiya, No 2, 1957,6916

Author : Hrubisek Josef

Inst :

Title : Maximum Heating Surface of Tubular Heat Exchangers.

Orig Pub : Listy cukrovarn., 1956, 72, No 7, 153-158

Abst : It is shown that jacketed tubular heat exchangers with minimal distance between tube walls can have different heat exchange surface depending on diameter of the tubes (with constant diameter of the jacket). It was ascertained that with a given diameter of the jacket the heat exchange surface can attain a maximum when the distance between the walls is equal to the diameter of the tubes. Tables have been compiled for an accurate determination of the number of tubes within a cylindrical jacket in the case of tube of a definite diameter. It is pointed

Card 1/2

CZECHOSLOVAKIA/Processes and Equipment for Chemical Industries - K-1
Processes and Apparatus for Chemical Technology.

Abs Jour : Ref Zhur - Khimiya, No 2, 1957, 6916

It is pointed out that the utilized 32/25 mm size of
the tubes is too large and that tubes of smaller dia-
meter are more advantageous.

Card 2/2

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and Their Application. Carbohydrates and Refinement. I-11

Abs Jour : Ref Zhur - Khimiya, No 1, 1958, 2776

Author : Hrubisek Josef

Inst : -

Title : Solubility of Saccharose in Water According to Kaganov.

Orig Pub : Listy cukrovarn., 1957, 73, No 5, 107-108

Abstract : A verification of various formulas for determining the solubility of saccharose in water at 0°-100° (Herzfeld, Vikiund-Kaganov, Kaganov, Groot and Taylor). It was found that the equation of Kaganov gives much better and more accurate results than the formula of Herzfeld. A table of the solubility of saccharose at 0°-100°, according to the formula of Kaganov, has been compiled.

Card 1/1

CZECHOSLOVAKIA/Chemical Technology, Chemical Products and Their Application, Part 3. - Carbohydrates and Their Treatment.

H-26

Abs Jour: Referat. Zhurnal Khimiya, No 10, 1958, 34097.

Author : Josef Hrubisek.

Inst : Not given.

Title : Heat Balance of Masseccutes Cooking.

Orig Pub: Listy cukrovarn., 1957, 73, No 10, 227-232.

Abstract: The method and the results of investigation of masseccutes cooking are described, and a detailed computation of the material and heat balances is given. It is shown that 21.2% of the total amount of heat is consumed by the syrup heating; the condenser losses amount to 17.2%, and the radiation losses and losses at steaming attain 2%. The consumption of steam

Card : 1/2

HRUBISEK, J.

TECHNOLOGY

Periodical: LISTY CUKROVANICKE. Vol. 74, no. 9, Sept. 1958

HRUBISEK, J. Study of the profiles of washing flumes. p. 207

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 3
March 1959 Unclass.

CAP, J.; HRUBISKO, M.; ZVOLENSKY, M.

Causes of accidents in exchange transfusions with the use of citrated blood in newborn infants. Bratisl. lek. listy 44 no.4: 246-251 31-Ag '64.

1. Katedra pediatrie II Lek. fak. Univerzity Komenského v Bratislave, (veduci prof. MUDr. J. Michalickova) a Fakultna transfuzna stanica v Bratislave (veduci doc. MUDr. M. Hrubisko, C.Sc.).

HRUBISKO, M.; MERGANCOVA, O.; BRUCHAC, D.; VIERIK, J.

Artificial interruption of pregnancy and immunisation in the
ABO group system. Cesk. gynek. 29 no.1:90-94 F'64.

1. Fak. transf. stanica v Bratislave (prednosta: doc.dr.
H. Hrubisko, CSc.) a II. gyn.por.klin. Lek.fak. UK v Bratislave
(prednosta: doc.dr. A. Hudcovic).

*

HRUBISKOVA, K.; HRUBISKO, M.

Use of Cohn's fraction I in gynecology and obstetrics. Cesk.
gynek. 29 no.1:119-124 F'64

1. Fak. transf. stanica v Bratislave; prednosta: doc.dr.M.
Hrubisko, CSo.

*

HRUBISKO, M.; HODZOVA, O.; MAYEROVA, A.; CIGMANCOVA, L.; Technicka
spolupraca: KULICHOVA, E.

Beta-thalassemia in a Slovak family. Cas. lek. Cesk. 104 no.47:
1290-1296 26 N '65.

1. Fakultna transfuzna stanica, subkatedra hematologie a trans-
fuzie krvi UDVLf v Bratislave (veduci doc. dr. M. Hrubisko, CSc.)
a II. interna klinika Lekarskej fakulty Univerzity Komenskeho v
Bratislave (prednosta prof. dr. V. Haviar). Submitted February
1965.

HRUDISKO M.

Niektore novšie poznatky v transfuzii krvi a ich význam pre
prax. /Certain new aspects of blood transfusion and their
practical significance/ Bratisl. lek. listy 31:1-2 1951
p. 188-96.

1. Of the First Internal Clinic of Slovak University in Bratislava and of the Transfusion Station of the State District Clinical Hospital in Bratislava.

HRUBISKO, Mikulas

Transfusion of preserved erythrocytes in condensed form. Cas.lek.
cesk. 91 no.20:591-593 16 May 52.

1. Z transfuznej stanice SOKN v Bratislave a I. internej kliniky
SU v Bratislave.

(ERYTHROCYTES,

transfusion, preserved, in condensed form)

HRUBISKO, M., (Bratislava)

Considerations on prevention of complications following
transfusion by hematological services in Czechoslovakia.
Polskie arch.med. wewn. 26 no.11:1761-1762 1956.

(BLOOD TRANSFUSION, complications,
prev. (Pol))

HRUBISKO, Mikulas

Significance of liver puncture in hematologic cytodiagnostics,
particularly of neoplasms. Neoplasma, Bratisl. 4 no.3:227-237
1957.

1. Fakultatskrankenhaus der Komensky-Universität, Transfusionsabteilung,
I. Klinik für innere Krankheiten, Bratislava.

(LIVER, neoplasms
diag., needle biopsy)

(BIOPSY
needle, of liver, value in blood dis. & in
cancer of liver)

(BLOOD DISEASES, diag.
needle biopsy of liver)

HRUBISKO, M. (Bratislava, Bazova 8.)

The group system of Duffy. I. Contribution to its serological properties. II. Concerning its occurrence in Caucasians. Cas. lek. cesk. 97 no.9:284-287 28 Feb 58.

1. Fakultna transfuzna stanica KUM v Bratislave, prednosta MUDr Mikulas Hrubisko.

(BLOOD GROUPS

Duffy system, immunohematol. properties & incidence in Caucasians (Cz))

BUSOVA, H.; HRUBISKO, M.

Anti-H phyto-agglutinin from Laburnum watereri seeds. Cas.lek.
cesk. 99 no.42:1351-1352 14 0 '60.

1. Fakultna transfuzna stanica v Bratislave, prednosta MUDr.
M. Hrubisko.

(ANTIBODIES)
(PLANTS)

HRUBISKO, M.

SURNAME (in caps); Given Names

Country: Czechoslovakia

Academic Degrees: /not given/

Affiliation: /not given/

Source: Bratislava, Lekarsky Obzor, Vol X, No 7, 1961, pp 411-416

Data: "The Clinical Importance of Anti-thrombocyte Antibodies."

Authors:

BUSOVA, B

HRUBISKO, M

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CZECHOSLOVAKIA

HRUBISKOVA, K., MD., C. SC; Hrubisko, M.

Faculty Tranfusion Station (Z Fakultnej transfuznej
stanice), Bratislava (for both-)

Bratislava, Lekarsky obzor, No 7, 1963, pp 385-389

"On the Problem of the Disorders of Blood Coagulation
Mechanism in Chronic Liver Disease."

CZECHOSLOVAKIA

VELVARTOVA, M; HRUBISKO, M., Docent MD., C. Sc.

1. Faculty transfusion Station (Fakultna transfuzna stanica), Bratislava; 2. Subchair of Hematology and Blood Transfusion (Subkatedra hematologie a transfuzie krvi SUDL), Bratislava

Bratislava, Lekarsky obzor, No 7, 1963, pp 391-396

"Blood Cell Counts with Automatic Counters."

HRUBISKO, M.; MERGANCOVA, O.

On the problem of the so-called safety test before blood transfusion. Rozhl. chir. 42 no.5:345-347 My '63.

1. Fakultna transfuzna stanica a subkatedra hematologie a transfuzie krvi SUDL v Bratislave, veduci doc. dr. M. Hrubisko, CSc.

(BLOOD TRANSFUSION) (ABO FACTORS)
(HEMOLYSIS) (BLOOD GROUP INCOMPATIBILITY)

CZECHOSLOVAKIA

E. DOBRU and M. HRUBISKO, Institute of Hematology and Blood Transfusion (Ustav hematologie a krevni transfuze) Chief (reditel) Prof Dr J. HOREJSI, CSc, Prague; and Faculty Transfusion Station (Fakultni transfuzni stanice) Head (vedouci) Docent Dr M. HRUBISKO, CSc, Bratislava.

"Hemotherapy of Hypocoagulation Conditions."

Prague, Casopis Lekarů Ceskych, Vol 102, No 20, 17 May 63; pp 91-99 of separately paginated section "Medical Sciences Abroad" (Lekarska veda v zahranici).

Abstract : Review of laboratory and clinical publications on fibrinogen, prothrombin, Factor V - proaccelerin - labile factor; Factor VII - proconvertin; Factor VIII -AHG; Factor IX - PTC - Christmas - hemophilia Factor B - Factor X Stuart - Prower; Factor XI - PTA; Factor XII - Hageman in stored blood and in various clinical syndromes as reported in 8 Soviet, 10 Polish, 19 Czech (incl. 1 pers. communication) and 200 Western references.

1/1

HRUBISKO, M.; HRUBISOVA, K. Technicka spoluprac: CIRANOVA, M.;
ULLRICOVA, G.

Hemorrhage in von Willebrand's disease, its nature and therapy.
Bratisl. lek. listy 2 no.1:25-33 '64

1. Fakultna transfuzna stanica, subkatedra hematologie a transfuzie krvi SYDL v Bratislave; veduci: doc. MUDr. M.Hrubisko, C.Sc.